

SEQUENCE LISTING

<110> Nicholette, Charles A.

<120> PAR-3 COMPOUNDS FOR THERAPY AND DIAGNOSIS AND METHODS FOR USING SAME

<130> GZ 2104,20

<140> 09/931,969
<141> 2001-08-17

<150> 60/226,243
<151> 2000-08-17

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35 40 45
His Arg Leu Glu His Gly Asp Gly Gly Ile Leu Asp Leu Asp Asp Ile
50 55 60
Leu Cys Asp Val Ala Asp Asp Lys Asp Arg Leu Val Ala Val Phe Asp
65 70 75 80
Glu Gln Asp Pro His His Gly Gly Asp Gly Thr Ser Ala Ser Ser Thr
85 90 95
Gly Thr Gln Ser Pro Glu Ile Phe Gly Ser Glu Leu Gly Thr Asn Asn
100 105 110
Val Ser Ala Phe Gln Pro Tyr Gln Ala Thr Ser Glu Ile Glu Val Thr
115 120 125
Pro Ser Val Leu Arg Ala Asn Met Pro Leu His Val Arg Arg Ser Ser
130 135 140
Asp Pro Ala Leu Ile Gly Leu Ser Thr Ser Val Ser Asp Ser Asn Phe
145 150 155 160
Ser Ser Glu Glu Pro Ser Arg Lys Asn Pro Thr Arg Trp Ser Thr Thr
165 170 175
Ala Gly Phe Leu Lys Gln Asn Thr Ala Gly Ser Pro Lys Thr Cys Asp
180 185 190
Arg Lys Asp Glu Asp Gly Thr Glu Glu Asp Asn Ser Arg Val Glu Pro
195 200 205
Val Gly His Ala Asp Thr Gly Leu Glu His Ile Pro Asn Phe Ser Leu
210 215 220
Asp Asp Met Val Lys Leu Val Glu Val Pro Asn Asp Gly Gly Pro Leu
225 230 235 240
Gly Ile His Val Val Pro Phe Ser Ala Arg Gly Gly Arg Thr Leu Gly
245 250 255
Leu Leu Val Lys Arg Leu Glu Lys Gly Gly Lys Ala Glu His Glu Asn
260 265 270
Leu Phe Arg Glu Asn Asp Cys Ile Val Arg Ile Asn Asp Gly Asp Leu
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Arg Asn Arg Arg Phe Glu Gln Ala Gln His Met Phe Arg Gln Ala Met
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Arg Thr Pro Ile Ile Trp Phe His Val Val Pro Ala Ala Asn Lys Glu
305 310 315 320
Gln Tyr Glu Gln Leu Ser Gln Ser Glu Lys Asn Asn Tyr Tyr Ser Ser
325 330 335

Arg Phe Ser Pro Asp Ser Gln Tyr Ile Asp Asn Arg Ser Val Asn Ser
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 Ala Gly Leu His Thr Val Gln Arg Ala Pro Arg Leu Asn His Pro Pro
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 Glu Gln Ile Asp Ser His Ser Arg Leu Pro His Ser Ala His Pro Ser
 370 375 380
 Gly Lys Pro Pro Ser Ala Pro Ala Ser Ala Pro Gln Asn Val Phe Ser
 385 390 395 400
 Thr Thr Val Ser Ser Gly Tyr Asn Thr Lys Lys Ile Gly Lys Arg Leu
 405 410 415
 Asn Ile Gln Leu Lys Lys Gly Thr Glu Gly Leu Gly Phe Ser Ile Thr
 420 425 430
 Ser Arg Asp Val Thr Ile Gly Gly Ser Ala Pro Ile Tyr Val Lys Asn
 435 440 445
 Ile Leu Pro Arg Gly Ala Ala Ile Gln Asp Gly Arg Leu Lys Ala Gly
 450 455 460
 Asp Arg Leu Ile Glu Val Asn Gly Val Asp Leu Val Gly Lys Ser Gln
 465 470 475 480
 Glu Glu Val Val Ser Leu Leu Arg Ser Thr Lys Met Glu Gly Thr Val
 485 490 495
 Ser Leu Leu Val Phe Arg Gln Glu Asp Ala Phe His Pro Arg Glu Leu
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 Lys Ala Glu Asp Glu Asp Ile Val Leu Thr Pro Asp Gly Thr Arg Glu
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 Phe Leu Thr Phe Glu Val Pro Leu Asn Asp Ser Gly Ser Ala Gly Leu
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 Gly Val Ser Val Lys Gly Asn Arg Ser Lys Glu Asn His Ala Asp Leu
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 Gly Arg Leu Arg Val Asn Asp Gln Leu Ile Ala Val Asn Gly Glu Ser
 580 585 590
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 Met Ser Thr Glu Gly Asn Lys Arg Gly Met Ile Gln Leu Ile Val Ala
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 Pro Thr Val Asn Met Pro Gln Asp Asp Thr Val Ile Ile Glu Asp Asp
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 Ser His Asp Asp Val Gly Phe Val Thr Ala Asp Ala Gly Thr Trp Ala
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 Lys Ala Ala Ile Ser Asp Ser Ala Asp Cys Ser Leu Ser Pro Asp Val
 740 745 750
 Asp Pro Val Leu Ala Phe Gln Arg Glu Gly Phe Gly Arg Gln Ile Ala
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 Glu Ser Leu Gln Thr Ala Val Ala Glu Val Thr Leu Asn Gly Asp Ile
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 Pro Phe His Arg Pro Arg Pro Arg Ile Ile Arg Gly Arg Gly Cys Asn
 820 825 830
 Glu Ser Phe Arg Ala Ala Ile Asp Lys Ser Tyr Asp Lys Pro Ala Val
 835 840 845
 Asp Asp Asp Asp Glu Gly Met Glu Thr Leu Glu Glu Asp Thr Glu Glu
 850 855 860
 Ser Ser Arg Ser Gly Arg Glu Ser Val Ser Thr Ala Ser Asp Gln Pro
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 Ser His Ser Leu Glu Arg Gln Met Asn Gly Asn Gln Glu Lys Gly Asp

885 890 895

Lys Thr Asp Arg Lys Lys Asp Lys Thr Gly Lys Glu Lys Lys Lys Asp
 900 905 910

Arg Asp Lys Glu Lys Asp Lys Met Lys Ala Lys Lys Gly Met Leu Lys
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Gly Leu Gly Asp Met Phe Arg Phe Gly Lys His Arg Lys Asp Asp Lys
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Ile Glu Lys Thr Gly Lys Ile Lys Ile Gln Glu Ser Phe Thr Ser Glu
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Glu Glu Arg Ile Arg Met Lys Gln Glu Gln Glu Arg Ile Gln Ala Lys
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Thr Arg Glu Phe Arg Glu Arg Gln Ala Arg Glu Arg Asp Tyr Ala Glu
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Ile Gln Asp Phe His Arg Thr Phe Gly Cys Asp Asp Glu Leu Met Tyr
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Lys Lys Pro Arg Asn Ser Lys Pro Ser Pro Val Asp Ser Asn Arg Ser
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Thr Pro Ser Asn His Asp Arg Ile Gln Arg Leu Arg Gln Glu Phe Gln
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Gln Ala Lys Gln Asp Glu Asp Val Glu Asp Arg Arg Arg Thr Tyr Ser
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Phe Glu Gln Pro Trp Pro Asn Ala Arg Pro Ala Thr Gln Ser Gly Arg
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His Ser Val Ser Val Glu Val Gln Met Gln Arg Gln Arg Gln Glu Glu
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Asn Tyr Ser Pro Gly Glu Gly Phe Gln Ser Ala Lys Glu Asn Pro Arg
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Tyr Ser Ser Tyr Gln Gly Ser Arg Asn Gly Tyr Leu Gly Gly His Gly
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Phe Asn Ala Arg Val Met Leu Glu Thr Gln Glu Leu Leu Arg Gln Glu
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Gln Arg Arg Lys Glu Gln Gln Met Lys Lys Gln Pro Pro Ser Glu Gly
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